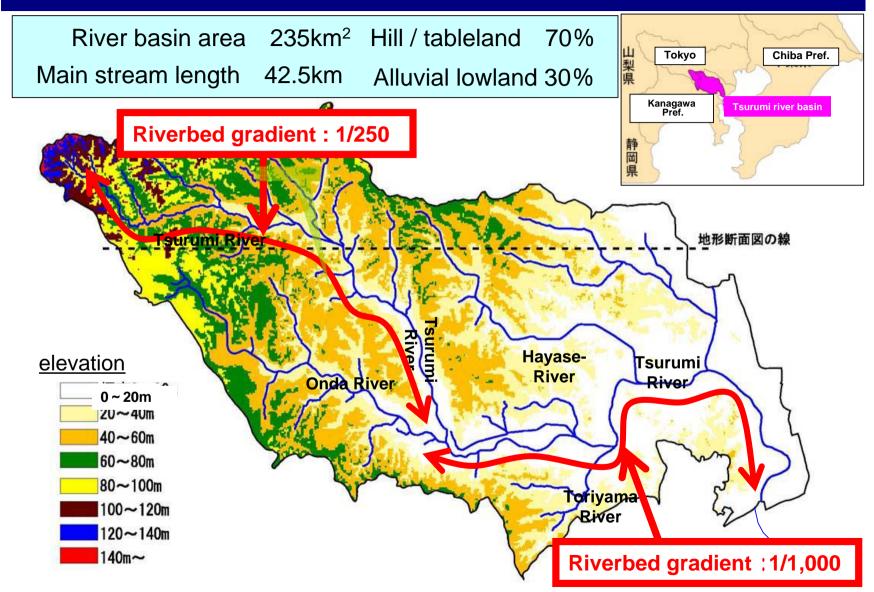
Outline of Tsurumi River (Geography)



Outline of Tsurumi River (Urbanization and population increase)

Urbanization ration has increased

Rapid economic growth has turned natural area into urban area

by **75%** in 50years

Typhoon Karinogawa in Sep 1958

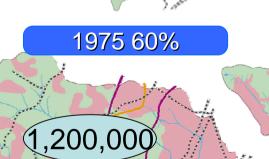


1958 10%



1966 20%





Present 85%

1,880,000



Urbanization

Population

Natural Area

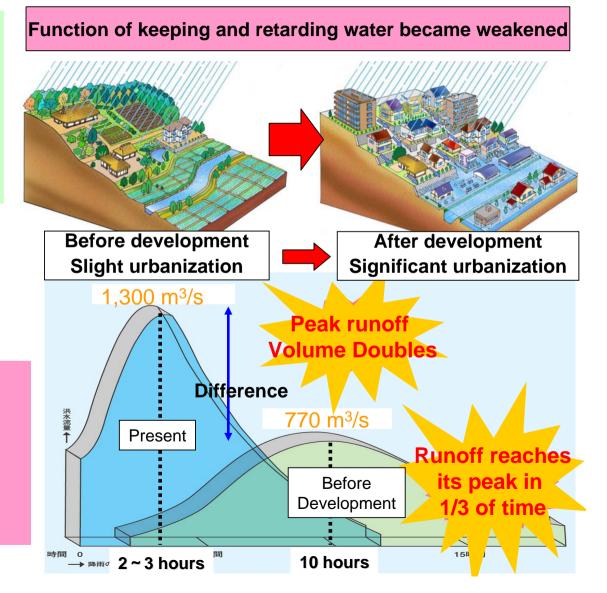
Urban Area

Outline of Tsurumi River (Effect of urbanization)

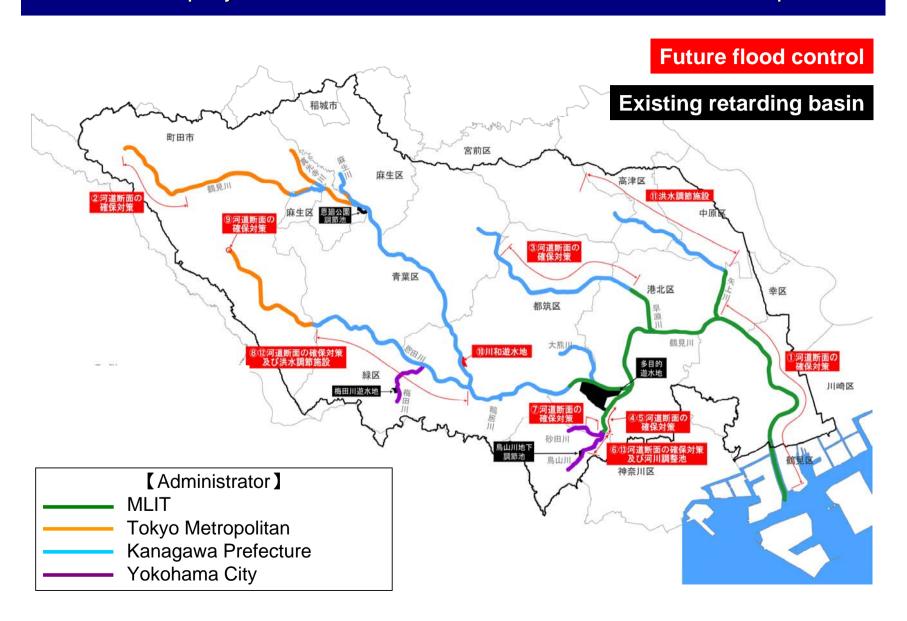
- Population increased by 1.4 million in 50 years
- ·85% of river basin area urbanized
- ·Typical urban river



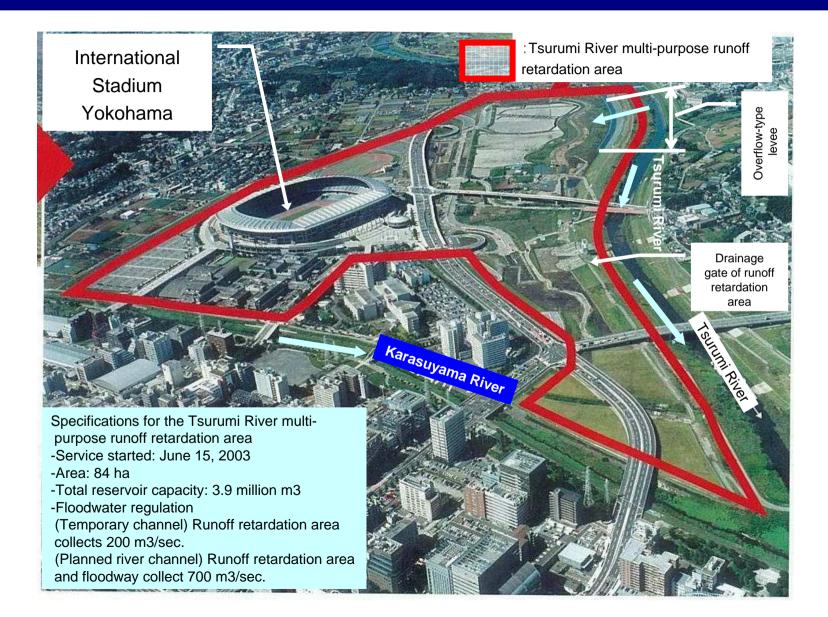
- Discharge into river has become faster
- Peak runoff has becomes bigger



River related projects in Tsurumi River Basin inundation control plan



Tsurumi River multi-purpose runoff retardation area



Sewerage projects in Tsurumi River Basin inundation control plan

